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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/659,785	09/09/2003	Marie Comte	SP02-201	5590
22928	7590 05/03/2005		EXAMINER	
CORNING INCORPORATED			GROUP, KARL E	
SP-TI-3-1 CORNING,	NY 14831		ART UNIT	PAPER NUMBER
· - · · - ,			1755	

DATE MAILED: 05/03/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	10/659,785	COMTE ET AL.	
Office Action Summary	Examiner	Art Unit	
	Karl E. Group	1755	
The MAILING DATE of this communication a eriod for Reply	ppears on the cover sheet w	vith the correspondence	address
A SHORTENED STATUTORY PERIOD FOR REF THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a r - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by stat Any reply received by the Office later than three months after the ma earned patent term adjustment. See 37 CFR 1.704(b).	N. 1.136(a). In no event, however, may a eply within the statutory minimum of thing will apply and will expire SIX (6) MO ute, cause the application to become A	reply be timely filed irty (30) days will be considered tin NTHS from the mailing date of this NBANDONED (35 U.S.C. § 133).	
tatus			
1) Responsive to communication(s) filed on 14	April 2005.		
· - · · · · · · · · · · · · · · · · · ·	nis action is non-final.		
3) Since this application is in condition for allow	vance except for formal ma	tters, prosecution as to t	he merits is
closed in accordance with the practice unde	r <i>Ex parte Quayle</i> , 1935 C.l	D. 11, 453 O.G. 213.	
isposition of Claims			
4) Claim(s) <u>1-5 and 12-17</u> is/are pending in the	• •		
4a) Of the above claim(s) is/are withd	rawn from consideration.		
5) Claim(s) is/are allowed.			
6)⊠ Claim(s) <u>1-5,12-17</u> is/are rejected. 7)□ Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction and	l/or election requirement		
pplication Papers			
9) The specification is objected to by the Exami		by the Evenines	
10) The drawing(s) filed on is/are: a) a Applicant may not request that any objection to the	ccepted or b) objected to ne drawing(s) be held in abeva	=	
Replacement drawing sheet(s) including the corre			CFR 1.121(d)
11) The oath or declaration is objected to by the	•	S., ,	` '
riority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:	gn priority under 35 U.S.C.	§ 119(a)-(d) or (f).	
1. Certified copies of the priority docume	nts have been received.		
2. Certified copies of the priority docume		·· —	
3. Copies of the certified copies of the pr	•	n received in this Nation	al Stage
application from the International Bure	, , , , , , , , , , , , , , , , , , , ,		
* See the attached detailed Office action for a li	st of the certified copies no	t received.	
attachment(s)			
	Λ Π t=k==d=	Summary (PTO-413)	
) Notice of References Cited (PTO-892)			
) Notice of References Cited (PTO-892)) Notice of Draftsperson's Patent Drawing Review (PTO-948)) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/0	Paper No	(s)/Mail Date Informal Patent Application (P	TO-152)

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Election/Restrictions

1. The restriction between groups I and III is withdrawn in view of applicants' that Groups I and III are obvious over each other and are not patentably distinct.

Claim Rejections - 35 USC § 112

- The following is a quotation of the second paragraph of 35 U.S.C. 112:
 The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 3. Claims 1-5,11-17 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 1 and 12 stand rejected for claiming amounts of ZrO₂ that are not possible while maintaining the claimed ratio of TiO₂/ZrO₂ between 2.2 and 4.5. For example if the ZrO₂ content were 2.5 the amount of TiO₂ would have to be at a minimum 5.5 wt% (to maintain a ratio of 2.2) which is outside the claimed range. For compositions to have the claimed TiO₂/ZrO₂ the maximum amount of ZrO₂ would be 1.59 wt%. 3.5/1.59=2.2. Applicants argue one of ordinary skill in the art can determine what compositions fall inside and outside the [claimed] limitations. This is not persuasive because amounts of ZrO₂ claimed 1.59 wt% to 2.5 wt% are not possible while maintaining the claimed TiO₂/ZrO₂ ratio. It is not clear whether the claimed TiO₂/ZrO₂ ratio is a required limitation of the claim if amounts of ZrO₂ are being claimed that are not possible to maintain the ratio.

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Conclusion

4. The rejections over the prior art references are withdrawn in view of applicants' argument that the prior art of record fails to teach the claimed ratio of TiO₂/ZrO₂ between 2.2 and 4.5 and the unexpected results achieved by maintaining this ratio.

- 5. Should the above TiO₂/ZrO₂ ratio be removed from the claims, in response to the above 112 rejection, the prior art rejections may be reinstated and the finality of the rejection will be maintained.
- 6. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Karl E. Group whose telephone number is 571-272-1368. The examiner can normally be reached on M-F (6:30-4:00) First Friday Off.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jerry Lorengo can be reached on 571-272-1233. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Karl E Ofgup Primary Examiner

Art Unit 1755

Keg 5-2-05